

528,003

Rec'd PCT/PTO 07 MAR 2005

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
25 March 2004 (25.03.2004)

PCT

(10) International Publication Number  
WO 2004/025980 A1

(51) International Patent Classification<sup>7</sup>: H04Q 7/36

(21) International Application Number:  
PCT/EP2003/009770

(22) International Filing Date:  
3 September 2003 (03.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
TO2002A000784 9 September 2002 (09.09.2002) IT

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

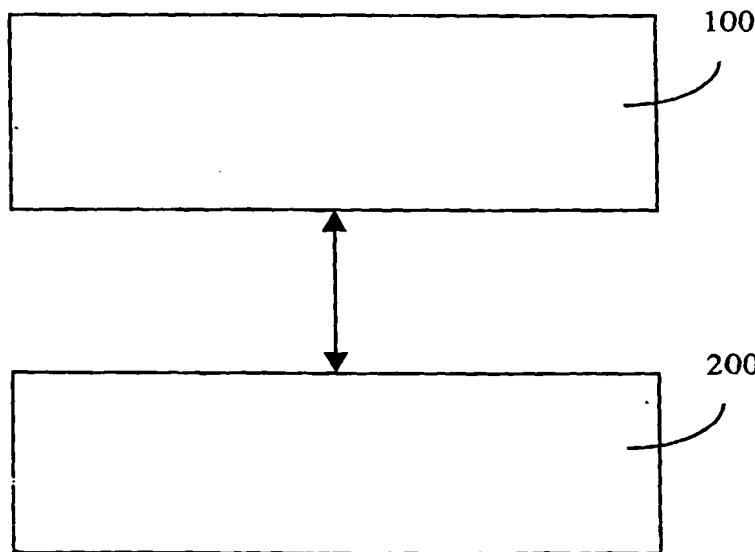
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO

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(54) Title: SYSTEM AND METHOD FOR DIMENSIONING A CDMA NETWORK



(57) Abstract: The present invention relates to a method for dimensioning a network based on code division multiple access techniques or CDMA for input parameters representing coverage requirements and/or capacity requirements and/or quality requirements able to provide at least a value of maximum sustainable load per cell ( $\eta_{MAX}$ ) given a plurality of services provided, comprising the steps of: determining a load factor per cell ( $\eta_{UL}, \eta_{DL}$ ) based on input parameters; characterised by the steps of: verifying whether the determined load factor ( $\eta_{UL}, \eta_{DL}$ ) corresponds to the maximum sustainable load ( $\eta_{MAX}$ ) of a base terminal station and, if the determined load factor ( $\eta_{UL}, \eta_{DL}$ ) exceeds the maximum sustainable load factor ( $\eta_{MAX}$ ); negotiating at the radio resource management (RRM) level at least one of the services provided in said network in such a

way that the determined load factor ( $\eta_{UL}, \eta_{DL}$ ) becomes less than or equal to the maximum sustainable load ( $\eta_{MAX}$ ) or is optimised taking into account the characteristics of the network.

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